

## ABSTRACT

The ergonomically advantaged syringe is used by an operator to inject fluid into a patient during a medical procedure, which can include angiographic procedures where catheters are used. Although said ergonomic syringe may be connected to and used with a catheter of any size, it is particularly suited for use by an operator to inject radiopaque dye through catheters having small diameters. The large handgrip and locations of the fingergrips, together with other features on these elements of the ergonomic syringe, increase comfort and reduce the fatigue, strain, and risk of disability which may be associated with achieving the force required for each injection to achieve high pressures necessary for proper dye density in the blood flow in the target blood vessels, where such force is greater in smaller catheters than in larger catheters.